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(54) Title: METHOD FOR IMPROVING THE OZONE STABILITY OF AN INKJET RECORDING ELEMENT

(57) Abstract: The present invention relates to a method for improving the ozone stability of an inkjet recording element. The present invention consists in using at least one sulfonic polystyrene or one of its sulfonate salts in an inkjet recording element, said element comprising a support and at least one ink-receiving layer including at least one hydrosoluble binder and inorganic fillers, for improving the ozone stability of said element.

INTERNATIONAL SEARCH REPORT

International Application No

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A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B41M/00 C09D129/04 C09D189/04
//(C09D129/04,125:04),(C09D189/04,125:04)

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B41M C09D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category ^a	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 94/02325 A (DU PONT) 3 February 1994 (1994-02-03) claims; examples 1,4,5 -----	1-9
Y	FR 2 259 166 A (ALLIED CHEM) 22 August 1975 (1975-08-22) claims -----	1-9
A	US 5 674 654 A (BRADY BRIAN KENNETH ET AL) 7 October 1997 (1997-10-07) claims -----	1

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)		Publication date
WO 9402325	A 03-02-1994	CA	2139932 A1	03-02-1994
		EP	0651701 A1	10-05-1995
		JP	7507974 T	07-09-1995
		WO	9402325 A1	03-02-1994
		US	5418042 A	23-05-1995
<hr/>				
FR 2259166	A 22-08-1975	CA	1056094 A1	05-06-1979
		DE	2501467 A1	31-07-1975
		FR	2259166 A1	22-08-1975
		GB	1478221 A	29-06-1977
		IT	1027294 B	20-11-1978
		JP	50104255 A	18-08-1975
<hr/>				
US 5674654	A 07-10-1997	DE	69718117 D1	06-02-2003
		DE	69718117 T2	21-08-2003
		EP	0831365 A1	25-03-1998
		JP	10148910 A	02-06-1998
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